

In the claims: ✓ ✓ ✓

Please cancel claims 2, 8, 17 and 32.

Please amend claims 1, 7, 16 and 31 to read as follows:

1. (Thrice Amended) A method for conducting electronic commerce, comprising steps of:

operating a computer to contact a commerce-related site using a browser;

5 automatically detecting a presence of a message received from the commerce-related site that requires, as a response, non-stored authentication information inputted by a user in response to the detected presence of the message;

in response to automatically detecting the presence of the message, sending a message from the computer to a mobile station over a bi-directional transmission link;

10 in response to receiving the message over the link, generating a user authentication message that is generated by prompting the user to enter a personal identification number (PIN) and comparing the entered PIN to a PIN stored in the mobile station;

passing the user authentication message from the mobile station to the computer over the bi-directional transmission link; and

15 sending user authentication information from the computer to the commerce-related site using the browser.

7. (Twice Amended) A system for conducting communication with a site reachable through a data communications network, comprising:

a mobile station comprising a user interface and a mobile station utilization application; and

5 a computer coupled to a data communications network and comprising a browser for contacting the site through the data communications network, the computer and browser operating to automatically detect a presence of a received message for the site that requires a response from the user, and further comprising an interface for sending a message from the computer to the mobile station over a bi-directional link in response to
10 automatically detecting the presence of the message;

said mobile station utilization application being responsive to the receipt of the message from the link for generating a user response message and for passing the user response message to the computer over the link, said mobile station operating to prompt the user to enter a personal identification number (PIN) into the mobile station and to
15 compare the entered PIN to a PIN stored in the mobile station; and

said computer being responsive to a receipt of said user response message for sending user response information to the site using said browser.

16. (Twice Amended) A method for conducting communication with a site reachable through a data communications network, comprising steps of:

providing a mobile station having a user interface and an application;

coupling a computer to a data communications network, the computer having a

5 browser for contacting the site through the data communications network;

automatically detecting with the computer a presence of a received message from the site that requires a response from the user;

in response to automatically detecting the presence of the received message, sending a message from the computer to the mobile station over a bi-directional link;

10 responsive to the receipt of the message in the mobile station and an input of a personal identification number (PIN) and a comparison of the inputted PIN to a PIN stored in the mobile station, generating a user response message and passing the user response message to the computer over the link; and

responsive to a receipt of the user response message in the computer, sending user
15 response information to the site using the browser.

31. (Amended) A method for conducting communication with a server,
comprising:

coupling an access application running on a computer to the server through a data
communications network;

5 automatically detecting a presence of a request that is received from the server,
the request being one that requires an authentication of a user;

in response to automatically detecting the presence of the request, sending a
message from the computer to a mobile station over a link; the message comprising an
inquiry for a list of certificates that are application to the request, the certificates being
10 accessible by the mobile station;

presenting the list of applicable certificates to the user for selecting one of the
presented certificates;

using the mobile station to communicate with a source of the selected certificate
for completing the certificate which comprises a user authentication message;

15 passing the completed certificate over a link to the access application running on
the computer;

responsive to a receipt of the completed certificate, sending user authentication
information to the server using the access application.